



**FOREIGN FREIGHT VESSEL  
EXAMINATION BOOK**

<b>Name of Vessel</b>		<b>Flag</b> No Change	
<b>IMO Number</b>		<b>Case Number</b>	
<b>Date Completed</b>	<b>Priority</b>	<b>Points</b>	
<b>Location</b>			
<b>Vessel Built in Compliance with SOLAS:</b> 60 74 74/78 NA			
<b>Exam Type</b> Annual Reexamination			
<b>Port State Control Officers</b>			
1. _____		3. _____	
2. _____		4. _____	

**VIN**[illegible]

### **MSIS Codes for Deficiencies:**

<b>BS</b>	Ballast	<b>DC</b>	Dry Cargo	<b>IC</b>	I/C Engine
<b>BI</b>	Bilge	<b>ES</b>	Electrical	<b>LS</b>	Lifesaving
<b>BA</b>	Boiler, Aux.	<b>FF</b>	Firefighting	<b>MI</b>	Miscellaneous
<b>BM</b>	Boiler, Main	<b>FL</b>	Fuel	<b>NS</b>	Navigation
<b>CS</b>	Cargo	<b>GS</b>	General Safety	<b>PP</b>	Propulsion
<b>DM</b>	Deck Machinery	<b>HA</b>	Habitation	<b>SS</b>	Steering
<b>DL</b>	Doc., Lics., Pmts.	<b>HU</b>	Hull		

## Guide to Examinations:

- ☐ Annual examination and reexamination
- ☒ Annual examination only
- ☐ Expanded examination as required

**NOTE:** A reexamination normally includes an examination of the vessel's documents, certificates, and licenses, in addition to a "walk-through" of the vessel.

## Pre-inspection Items

- Review MSIS records.
  - PSVH
  - VFIP
- Obtain copies of forms to be issued.

### Post-inspection Items

- Issue letters/certificates to vessel.
  - Record of deficiencies
- Complete MSIS entries within 48 hours.
  - PSAR
  - VFLD
  - MSDS
  - VFIP
  - PSDR

[illegible]

## Section 1: Administrative Items

**IMO Applicability Dates:**

Reference	Date
SOLAS 1960	26 MAY 65
SOLAS 1974	25 MAY 80
1978 Protocol to SOLAS 1974	01 MAY 81
1981 Amendments (II-1 & II-2)	01 SEP 84
1983 Amendments (III)	01 JUL 86
<i>Various additional amendments to SOLAS</i>	
MARPOL 73/78 Annex I	02 OCT 83
MARPOL 73/78 Annex II	06 APR 87
MARPOL 73/78 Annex III	01 JUL 92
MARPOL 73/78 Annex V	31 DEC 88
IBC Code	After 01 JUL 86
BCH Code	Prior to 01 JUL 86
COLREGS 1972	15 JUL 77
<i>Various additional amendments to COLREGS</i>	
Load Line 1966	21 JUL 68
STCW 1978	28 APR 84
1991 Amendments	01 DEC 92
1994 Amendments	01 JAN 96
1995 Amendments	01 FEB 97

### Detention Information:

**NOTE:** Complete prior to recommendation.

Verify owner (from DOC or COFR), operator, and mailing address.

Verify owner's agent.

Verify last and future drydock dates and locations.

If dual classed, who will respond? \_\_\_\_\_

Which agency issued the documents that have major problems?

What is the date of the last survey conducted for those items that have problems?

What are the vessel's plans to deal with the problems?

What is the crew's attitude toward the problems?

Is the detention ISM related? If so, include ISM certification information in the Detention Report to G-MOC.

Notes: \_\_\_\_\_

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### Vessel Information:

Classification Society	
ISM Issuer: Same as above?	
Yes	No If not the same, which Recognized Organization? _____
<b>NOTE:</b> The period of validity for ISM documents should correspond to the following list. If they do NOT, ISM documents should be further investigated.	
<input type="checkbox"/> 5 years = Full term (SMS and DOC)	<input type="checkbox"/> 12 months = Interim (DOC)
<input type="checkbox"/> 6 months = Interim (SMC)	<input type="checkbox"/> 5 months = Short term (SMC)
Last Drydocking Date	Next Drydocking Date
Location of Last Drydocking	
Date of Last Class Survey	
Outstanding conditions of class or non-conformities	
Last Port of Call	Next Port of Call
Cargo	Current Operations
Call Sign	No Change (VFID)
Gross Tons	No Change (VFMD)
Built Date (use delivery date)	No Change (VFCD)
Overall Length (in feet)	No Change (VFMD)

### Vessel Description:

Container Vessel

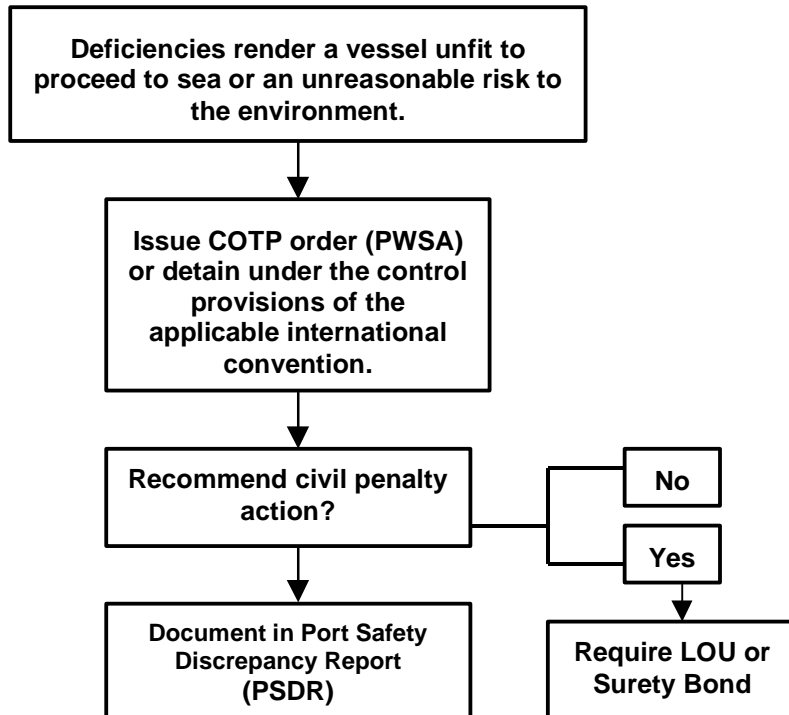
Bulk Carrier

Vehicle Carrier

Other

## Requiring Corrective Measures Prior to Departure

### (DETENTION)



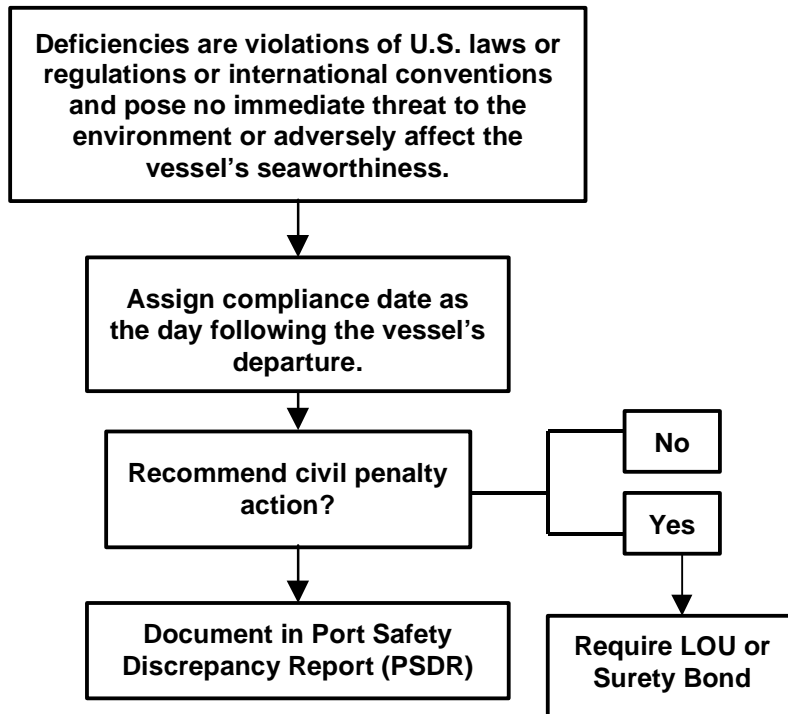
Examples include the following:

- Excessive wastage, corrosion, pitting, holes, or damage to the hull, cargo hatches, fire main, or other vital system.
- Inoperable emergency fire pump or emergency generator.
- Inability to lower lifeboats.
- Inoperable lifeboat motors (i.e., will not start).
- Crew incompetent to carry out duties (e.g., fire or boat drills, cargo transfer, stability calculations, etc.).
- Licenses invalid.
- Safe Manning Document not on board.

Name of Certificate	Issuing Agency	ID #	Port Issued	Issue Date	Exp. Date	Endors. Date
<b>Cargo Ship Safety (CSS)</b> No Change						
<b>International Load Line (ILL)</b> No Change						
<b>International Oil Pollution Prevention (IOPP)</b> No Change						
<b>International Tonnage (ITC)</b> No Change						
<b>Safety Management (SMC)</b> No Change						
<b>Document of Compliance (DOC)</b> No Change						

## Requiring Corrective Measures Prior to Return to U.S.

### **(NO DETENTION)**



Examples include the following:

- Charts or nautical publications not currently corrected.
- Portable hoses have not been tested but appear in good condition.
- Actual location of safety equipment deviates from the vessel safety plan.
- Electrical fixtures in paint locker not appropriately certified for safe usage in hazardous location. (Operational controls, such as disconnecting the electrical power source or removing flammables from the space, may satisfactorily remove risk to vessel.)

- ☐ Bridge log
  - Pre-arrival tests conducted 33 CFR 164.25  
STCW 95 I/14
  - Casualties (navigation equipment and steering gear failures reported) 33 CFR 164.53
  - Steering gear drills
  - Emergency steering drills

- ☐ Exemptions to SOLAS certificates SOLAS 74/78 I/4

### **Pollution Prevention Records:**

- ☐ Current pollution prevention records
  - Person-in-charge 33 CFR 155.700
  - Transfer equipment tests and inspections 33 CFR 156.170
  - Declaration of Inspection 33 CFR 156.150
- ◇ Oil record book (Part 1) (spot-check)
  - Each operation signed by person-in-charge MARPOL Ax. I/20  
33 CFR 151.25
  - Each complete page signed by master
  - Book maintained for 3 years
- ◇ Shipboard oil pollution emergency plan
  - Approved by flag state / class society MARPOL Ax. I/26.1  
33 CFR 151.26
  - Contact numbers correct
  - Immediate Actions List
- ◇ Vessel response plan
  - (vessels carrying oil as secondary cargo) 33 CFR 155.1045  
33 CFR 155.1030

Notes: \_\_\_\_\_

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## Section 6: Appendices

### Recommended Port State Control Procedures:

The following flowcharts contain information gleaned from the Marine Safety Manual Volume II, Chapter D2. The port state control officer should be familiar with this chapter as well as the information pertaining to Port State Control examinations contained in MSM Volume II, Chapters D1—Foreign Vessel Exams (General), D5—Foreign Vessel Exams (Freight), and D4—Targeting of Foreign Vessel Boardings.

Considering the seriousness of the deficiencies, the OCMI or COTP must determine the appropriate control action to impose on these vessels to ensure the safety of the vessel, the port, and the environment. The degree of control imposed, as well as the authority used to exercise control, must be consistent with the nature of the deficiencies.

The following definitions and terms of reference are used in the MSM to describe key elements of Port State Control enforcement:

**Clear Grounds.** Evidence that the vessel, its equipment, or crew do not correspond substantially to the requirements of the relevant conventions or that the master or crew members are not familiar with essential shipboard procedures relating to the safety of vessels or the prevention of pollution.

**Control.** Control is the process of imposing a port state's or flag state's authority over a vessel to ensure that its structure, equipment, operation and crew meet applicable standards. The process is affected by any verbal or written directives from the OCMI/COTPs or their representatives, which require action or compliance by the vessel.

**Detention.** Detention is a control action that restricts a vessel's right of free movement. The imposition of a restriction on the movement of a vessel constitutes a detention regardless of whether or not a delay from a vessel's normal or expected itinerary occurs. Detentions may be carried out under the authority of the applicable international convention, the Ports and Waterways Safety Act (PWSA) or a Customs hold.

**Intervention.** An intervention is a control action taken by a port state, which interposes the port state's authority over a foreign flag vessel in order to cause the vessel to be brought into compliance with an applicable international convention. Interventions are undertaken by a port state when a vessel's flag state has not, can not, or will not exercise its obligations under an international convention to which it is a party. This may include requesting appropriate information, requiring the immediate or future rectification of deficiencies, detaining the vessel, or allowing the vessel to proceed to another port for repairs.

## Section 3: General Examination Items

### Navigation Safety:

- |  |   |
|--|---|
| <input type="checkbox"/> Charts and publications for US waters/<br>intended voyage   | 33 CFR 164.33                                   |
| <ul style="list-style-type: none"><li>• Current and corrected charts</li><li>• US Coast Pilot</li><li>• Sailing directions</li><li>• Coast Guard Light List</li><li>• Tide tables</li><li>• Tidal current tables</li><li>• International Rules of the Road</li><li>• Inland Rules of the Road</li><li>• International Code of Signals</li><li>• Plotting equipment</li></ul> |   |
| <input type="checkbox"/> Operationally test radar(s) and ARPA  | 33 CFR 164.35<br>33 CFR 164.37<br>33 CFR 164.38 |
| <ul style="list-style-type: none"><li>• 2 required if over 10,000 GT</li><li>• Operate independently</li><li>• ARPA acquires targets</li></ul>   |   |
| <input type="checkbox"/> Compasses   | 33 CFR 164.35                                   |
| <ul style="list-style-type: none"><li>• Illuminated gyrocompass with repeater at stand</li><li>• Illuminated magnetic compass</li><li>• Current deviation table</li></ul>  |   |
| <input type="checkbox"/> Test electronic depth sounding device and recorder  | 33 CFR 164.35                                   |
| <ul style="list-style-type: none"><li>• Accurate readout</li><li>• Test all transducers</li><li>• Continuous recorder (chart)</li></ul>  |   |
| <input type="checkbox"/> Electronic position fixing device   | 33 CFR 164.41                                   |
| <ul style="list-style-type: none"><li>• Location accurate</li></ul>  |   |
| <input type="checkbox"/> Indicators  | 33 CFR 164.35                                   |
| <ul style="list-style-type: none"><li>• Illuminated rudder angle indicator</li><li>• Centerline RPM indicator</li><li>• Propeller pitch (CPP systems)</li><li>• Speed and distance indicators</li><li>• Lateral thrusters</li></ul>  |   |

Notes: \_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_

## Pollution Prevention:

### ○ Equipment

- Test automatic stopping device required for discharge MARPOL Ax. I/6
- Segregation of oil fuel and water ballast systems MARPOL Ax. I/14
- Oily residue tank (discharge arrangements, homogenizers, incinerators, etc.) MARPOL Ax. I/17
- Witness operational test of emergency shutdown 33 CFR 155.780

### ○ Human Factors

- Oil and oily mixtures STCW Table A-III  
– Responsible officer familiar with handling of sludge and bilge water  
– Quantity of residues generated  
– Capacity of holding tanks  
– Capacity of oil water separator  
– Note any inadequacies in reception facilities used; advise master to report these to flag state
- Garbage MARPOL Ax. I  
– Note any inadequacies in reception facilities used; advise master to report these to flag state  
– Crew familiar with Annex V requirements

## Machinery Spaces:

### ○ Communication between navigating bridge and machinery space

- Two means, one of which must be an engine order telegraph
- Tested

SOLAS 74/78 II-1/37

### ○ Emergency source of electrical power

- Location
- Generator and/or batteries tested under load
- Emergency lighting

SOLAS 74/78 II-1/43  
SOLAS 74/78 II-1/44

Notes: \_\_\_\_\_

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### ◇ Emergency source of power (radio)

SOLAS 74/78 IV/13

- Independent of ship's power system
- 1 or 6 hour time duration
- Battery system
- Battery charger

### ◇ NAVTEX

SOLAS 74/78 IV/7.1.4

### ◇ Radio installation

SOLAS 74/78 IV/6.2

- Safe installation
- Independent lighting
- Marked with call sign

## General Health and Safety

### □ Accident Prevention and Occupational Health

COMDTINST 16711.12A  
ILO 147

- Rails, guards, protective clothing and equipment, warning signs posted in crew work areas

### □ Crew accommodations

COMDTINST 16711.12A  
ILO 147

- Habitable conditions
- Adequate lighting and ventilation
- Free of cargo and stores
- Individual berths

### □ Hospital space

COMDTINST 16711.12A  
ILO 147

- Designated for ships  $\geq 500$  GT with 15 or more crew on voyage of more than 3 days
- Not used for stowage or berthing
- Properly operating toilet

### □ Galley

COMDTINST 16711.12A  
ILO 147

- Sanitary conditions
- Hot and cold-running water
- Adequately equipped to prepare food
- Mess hall provided for crew

Notes: \_\_\_\_\_

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## **Fire Protection:**

- Structural fire protection SOLAS 74/78 II-2/42, 43, 44, 46, 47 49, & 50
  - Bulkheads and decks meet applicable fire integrity requirements
  - Openings (e.g., doors, ductwork, electrical wires, piping, etc.) constructed so that they do not destroy fire resistance of bulkheads
  - Manual and automatic fire doors examined / tested
- Fire detection, fire alarm, and automatic sprinkler systems fitted where required and operating properly SOLAS 74/78 II-2/52
- Ventilation systems SOLAS 74/78 II-2/48
  - Main inlets and outlets of all ventilation spaces can be closed from outside ventilated space
  - Power ventilation capable of being shutdown from outside ventilated space
- Fire pumps SOLAS 74/78 II-2/4
  - Fire main activated; water pressure satisfactory (energize forward-most and highest hydrants)
- Paint lockers and flammable liquid lockers protected by an appropriate fire extinguishing arrangement SOLAS 74/78 II-2/18.7
- Special arrangements in machinery spaces SOLAS 74/78 II-2/11
  - Machinery space ventilating fans can be shut down from outside spaces
  - All openings capable of being closed from outside machinery spaces
  - Machinery driving forced / induced draft fans, oil fuel transfer pumps, and other fuel pumps fitted with remote shutdowns located outside space concerned

Notes: \_\_\_\_\_

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- Side shell, accessible structural members, decks, cargo hatches and superstructure ICLL 66 Reg. 1
  - Fractures, corrosion, wastage, pitting or damage to the extent that it may impair ship's seaworthiness
  - Excessive doublers, postage stamp inserts, cement boxes or soft patches
  - Welding burn marks or other evidence of recent repair work
  - Load line marked in accordance with certificates ICLL 66 Regs. 4 - 9
    - Hailing port
    - Name
  - Railings
- Hatch covers ICLL 66 Regs. 13 - 16
  - Holes in covers
  - Frames pulling away
  - Gaskets / compression bar
  - Coaming
  - Hydraulics systems
  - Wastage / coatings
- Watertight/weathertight openings
  - Watertight doors, gaskets, dogs ICLL 66 Reg. 12
  - Other openings (means of securing) ICLL 66 Regs. 13 - 18
  - Vents, air pipes and closing appliances ICLL 66 Regs. 19 & 20

## **Ground Tackle:**

- ◇ Anchor and windlass (spot-check)
  - Foundations
  - Drive units
  - Guards
  - Covers for moving parts
  - Brake pads
  - Deck fittings
  - Electrical (wiring) or hydraulic piping

Notes: \_\_\_\_\_

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- Lights, shapes, and sound signals 72 COLREGS
  - Navigation lights
  - Sound signals
  - Distress signals
- Radio log SOLAS 74/78 IV/17
- Radio operation SOLAS 74/78 IV/7
  - Transmit on 2182 MHz and Ch. 6, 13, 16, 70
- INMARSAT communications SOLAS 74/78 IV/7.1.5

### Cargo Operations:

- Hazmat
  - Emergency Response Information 49 CFR 172.600
  - Packages properly marked and labeled 49 CFR 172.300-450
  - All labeled and placarded cargoes listed on DCM 49 CFR 176.30
  - Proper stowage and segregation 49 CFR 176, Subparts C & D
- Human Factors: determine if personnel are familiar with the following items: STCW Table A-II/III
  - Hazardous material regulations 49 CFR 176.57
  - Special requirements (e.g., loading, segregation, firefighting equipment, etc.) for particular cargoes
  - Dangers posed by the cargo
  - Measures to be taken for cargo emergencies

Notes: \_\_\_\_\_

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### Lifesaving Equipment:

- Lifeboats / rescue boats
  - Required number SOLAS 74/78 III/26
  - Hull integrity and fittings SOLAS 74/78 III/19.2
  - Engine starts

<u>Stbd Lifeboat</u>	<u>Port Lifeboat</u>	<u>Lifeboats</u>
Engine equipped	Engine equipped	Wooden
Engine tested	Engine tested	Fiberglass
Lifeboat lowered	Lifeboat lowered	Steel
		Covered
Free fall lifeboat with rescue boat		

- Davit system SOLAS 74/78 III/19.2  
SOLAS 74/78 III/48
  - Structure and foundation
  - Roller tracks
  - Lubrication (evidence of use)
  - Falls; end for end / renew (2.5 / 5 years)
  - No obstructions to lowering
- Embarkation area SOLAS 74/78 III/11.7
  - No obstructions
  - Embarkation ladder
  - Launching instructions SOLAS 74/78 III/9
  - Emergency lighting
- Liferafts SOLAS 74/78 III/19  
SOLAS 74/78 III/26  
SOLAS 74/78 III/29
  - Required number
  - Stowage
  - Float-free arrangement
    - Hydrostatic release / weak link
  - Annual servicing (hydrostatic release and inflatable liferaft) SOLAS 74/78 III/19.8.1  
SOLAS 74/78 III/19.9.1
    - 17 months, if Administration-approved
  - Launching instructions posted SOLAS 74/78 III/9
  - Bow / stern station
    - Lashed down on deck or in marked location
    - Lifejackets available

Notes: \_\_\_\_\_

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○ Company's training program conducted in accordance with STCW

STCW I/14

**NOTE:** Documented procedures established to ensure new personnel and personnel transferred to new assignments are given proper familiarization with their duties.

- Proper documentation
- Training conducted before crew is assigned shipboard duties
- Essential instructions are documented and provided before sailing

○ Crew familiar with SMS issues

- Ship's officers
  - Documented procedures
  - Preventative procedures for essential equipment
  - Reporting requirements for non-conformities and able to identify typical scenarios that may result in a documented non-conformity
- Master and chief engineer familiar with internal audit procedures (e.g., know how many audits required per year and have participated in at least one) in addition to requirement's for ship's officers

○ Documented maintenance system

- Documented in writing and computerized versions
- Readily available and in language understood by those who use them
- Procedures are followed
- Records maintained

○ Vessel-specific procedures are documented in writing and address the following areas:

**NOTE:** Not mandatory that they follow the exact format listed below.

- Preventative maintenance
- Navigation
- Bunkering operations
- Emergency preparedness
- Pollution prevention
- Technical procedures
- Communications

Notes: \_\_\_\_\_

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□ Portable fire extinguishers (spot-check) SOLAS 74/78 II-2/6.5

- Good condition / available for immediate use
- Located on stations
- Serviced at periodic intervals

□ International shore connection SOLAS 74/78 II-2/19

□ Means of escape from accommodation, machinery, and other spaces

- Two required (some exceptions)
- Dead end corridors

□ Fire doors (spot-check) SOLAS 74/78 II-2/46  
SOLAS 74/78 II-2/47

- Machinery space and stair towers
- Not tied or blocked open
- Installed closure devices working

□ Fire detection systems (spot-check)

- Smoke / fire alarms SOLAS 74/78 II-2/13
- Remote pull stations SOLAS 74/78 II-2/11.8
- Smoke / flame / heat detectors and sensors SOLAS 74/78 II-2/53

◇ Test operation of fire main system

- Required number of fire pumps SOLAS 74/78 II-2/4
- Location of pumps

- Pumps, hydrants, piping, hoses, and nozzles in good condition and available for immediate use SOLAS 74/78 II-2/21

◇ Structural fire protection (spot-check) SOLAS 74/78 II-2/42

- Bulkheads
- Insulation
- Ventilation
- Penetrations

Notes: \_\_\_\_\_

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◆ **Abandon Ship Drill:**

General alarms / signals	Familiarity with duties	Boat operation
Muster lists	Provide equipment	Egress procedures
Muster of crew	Familiarity with equipment	Davit-launched liferaft drill
Crew response	Lower lifeboat	Communication w/ bridge
Language understood by crew	Brake operation	Lighting
Lifejackets	Engine start	
(SOLAS 74/78 III/18.3: MSM Vol. II/D5.C.7.h)		

Location: \_\_\_\_\_ Time to Water: \_\_\_\_\_

Notes:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

☐ Marine sanitation device

- Type (I, II, or III) 33 CFR 159.7
- Nameplate 33 CFR 159.55
- Placard 33 CFR 159.59

### Machinery Spaces:

☐ Main and auxiliary machinery installations

- |  |                       |
|--|-----------------------|
| • General housekeeping   | SOLAS 74/78 I/11(a)   |
| • Fire hazards   |                       |
| • Shock and electrical hazards                                       | SOLAS 74/78 II-1/45.1 |
| • Personnel hazards (moving parts not protected, hot surfaces, etc.) | SOLAS 74/78 II-1/26   |
| – Leaking fuel oil piping or fittings                                |                       |
| – Sea chests, sea valves / spool pieces in good condition            |                       |
| • Tank tops and bilges free of oil                                   | SOLAS 74/78 II-2/15   |
| • Watertight doors   | SOLAS 74/78 II-1/23   |
| – Hand / power operation   |                       |
| – Local / remote control   |                       |
| – Alarm  |                       |

☐ Steering gear machinery

SOLAS 74/78 II-1/29

- Linkages
- Hydraulic leaks
- Ram guides
- Lubrication

- ◇ Operationally test main and auxiliary steering gear

SOLAS 74/78 II-1/29

- 28-second operation (if applicable)
- Systems operate independently
- Unusual vibrations / leaks
- Ram hunting
- Limit switches
- Communications with bridge
- Steering gear instructions (block diagram)

Notes: \_\_\_\_\_

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